



# BUMBLE BEE BRIGADE



## FIELD GUIDE TO FEMALES

Upload photos and data to: [wiatri.net/inventory/bbb](http://wiatri.net/inventory/bbb)

\*Note: Dots on thorax indicate wing attachments. Females have 6 abdominal segments and (except cuckoos) pollen baskets on hind legs.



Variable color patterns (see 4th row). Small

**B. rufocinctus**  
redbelted



**B. ternarius**  
tricolored



**B. frigidus**  
frigid

Small



**B. affinis**  
rusty patched

Queens lack rusty patch



**B. griseocollis**  
brownbelted



**B. fervidus**  
yellow



**B. borealis**  
northern amber



**B. perplexus**  
confusing

Variable color patterns. Often black on sides of thorax



**B. pennsylvanicus**  
American

Distinguish by first segment on abdomen



**B. auricomus**  
black and gold

Large



**B. vagans**  
half-black

Difficult to distinguish



**B. sandersoni**  
Sanderson's

Small



**B. terricola**  
yellow-banded



**B. rufocinctus**  
redbelted

Variable color patterns (see 1st row). Small



**B. bimaculatus**  
twospotted



**B. impatiens**  
common eastern



**B. bohemicus**  
Ashton's cuckoo



**B. citrinus**  
lemon cuckoo



**B. variabilis**  
variable cuckoo



**B. insularis**  
indiscriminate cuckoo



**B. flavidus**  
Fernald cuckoo

Small

Cuckoos - No workers

\*Bee graphics by Elaine Evans, UMN Bee Lab



# BUMBLE BEE BRIGADE



## FIELD GUIDE TO MALES

Upload photos and data to: [wiatri.net/inventory/bbb](http://wiatri.net/inventory/bbb)

\*Note: Dots on thorax indicate wing attachments. Males have 7 abdominal segments.



Variable color patterns (see 4th row). Small

*B. rufocinctus*  
redbelted



*B. ternarius*  
tricolored



Small

*B. frigidus*  
frigid



*B. affinis*  
rusty patched



*B. griseocollis*  
brownbelted



*B. fervidus*  
yellow



*B. pennsylvanicus*  
American



*B. borealis*  
northern amber



Large

*B. auricomus*  
black and gold



Variable color patterns

*B. perplexus*  
confusing



Difficult to distinguish

*B. vagans*  
half-black



*B. sandersoni*  
Sanderson's



*B. terricola*  
yellow-banded



*B. bimaculatus*  
twospotted



*B. impatiens*  
common eastern



Variable color patterns (see 1st row). Small

*B. rufocinctus*  
redbelted



*B. citrinus*  
lemon cuckoo



*B. bohemicus*  
Ashton's cuckoo



*B. flavidus*  
Fernald cuckoo



*B. insularis*  
indiscriminate cuckoo



*B. variabilis*  
variable cuckoo

Cuckoos